

5 a second communication path between the user station  
and the at least one services station,

wherein the user station [being] is arranged for [the]  
issuing [of] data packets according to a first protocol and the  
at least one services station [being] is arranged for [the  
10 reception of] receiving the data packets according to the first  
protocol, and

wherein the second communication path [comprising]  
comprises:

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- 15 [-] a first network arranged for [the  
transmission of] transmitting data according  
to a second protocol,
- 20 [-] a first device for receiving the data packets  
[from] issued by the user station and for  
supplying said data packets to the first  
network, and
- 25 [-] a second device for receiving said data  
packets from the first network and for  
routing the received data packets to the at  
least one services station via a second  
network arranged [to the transmission of] for  
transmitting data according to the first  
protocol.

2. (Amended) The communication [Communication] system  
according to claim 1, [in which] wherein the second device is

arranged for establishing a path to the at least one services station, [a] said path having an identifier [being] assigned [to said path] thereto, and [for providing] wherein the second device provides the received data packets with said path identifier.

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3. (Amended) The communication [Communication] system according to claim 1, [in which a] wherein the second device is arranged for providing access to a group of services stations [,] having a common single access number [being common to said group of services stations].

4. (Amended) The communication [Communication] system according to claim 1, [in which a] wherein the second device is arranged for providing access to a single services station [, the device] having a unique access number.

5. (Amended) The communication [Communication] system according to claim 1, [in which] wherein the first network comprises a telephony network.

6. (Amended) The communication [Communication] system according to claim 1, [in which] wherein the first network comprises an ISDN (Integrated Digital Services Network) [network].

7. (Amended) The communication [Communication] system according to claim 1, [in which] wherein the first communication path comprises a satellite trajectory.

8. (Amended) The communication [Communication] system according to claim 1, [in which] wherein the first communication path comprises a cable network.

9. (Amended) The communication [Communication] system according to claim 1, [in which] wherein the first protocol [is the] an ATM (Asynchronous Transmission Mode) protocol.

10. (Amended) [Device for the issuing of data packets, received over a non-packet switching network, to a packet switching network, the] A device comprising:

5 [-] means for [the demodulation of received] demodulating signals received over a non-packet switching network,

[-] means for [the extraction of] extracting data packets from the demodulated signals,

[-] means for [the] buffering [of] the extracted data packets,

10 [-] means for [the] routing [of] the buffered data packets based on [the basis of] information received from the non-packet switching network,

[-] means for [the] multiplexing [of] the routed data packets,

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[-] means for [the supply of] supplying the multiplexed data packets to a packet switching [data connection] network, and

[-] means for [the control of] controlling the device.

11. (Amended) The device [Device] according to claim 10, further comprising:

[-] means for [the] demultiplexing [of] the data packets,

[-] means for [the] buffering [of] the demultiplexed data packets,

[-] means for [the conversion of] converting the buffered, demultiplexed data packets into serial data signals,

[-] means for [the modulation of] modulating the serial data signals, and

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[-] means for [the] issuing [to a network of] the modulated data signals.

12. (Amended) The device [Device] according to claim 10, [in which] wherein the means for [the extraction of] extracting data packets [are arranged] comprises means for [the extraction of] extracting ATM (Asynchronous Transmission Mode) cells, and

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[in which] wherein the packet switching data [connection] network comprises an SDH (Synchronous Digital Hierarchy) connection.

13. (Amended) The device [Device] according to claim 10, [in which] wherein the means for [the extraction of] extracting data packets [are arranged] comprises means for [the extraction

of] extracting X.25 packets, and [in which] wherein the packet  
5 switching [data connection] network comprises an ISDN (Integrated  
Services Digital Network) [connection].

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14. (Amended) The device [Device] according to claim 10,  
[provided with] further comprising means for [the modification of  
the] modifying addresses of the data packets.

15. (Amended) A method [Method] for [the transmission of]  
transmitting an ATM [cells] (Asynchronous Transmission Mode) cell  
over a non-packet switching network, comprising:

at [the] a transmitting end:

- 5           [-] converting [an] the ATM cell into a serial form;  
          [-] modulating [the] data of the ATM cell;  
          [-] selecting a connection over the non-packet  
             switching network;  
          [-] transmitting the modulated data over the non-  
10           packet switching network; and

[comprising] at the receiving end:

- [-] receiving the modulated data;  
          [-] demodulating the received data;  
          [-] converting the modulated data into a parallel  
15           form;  
          [-] reconstructing the ATM cell,

[-] deriving a path identifier from signalling information received over the non-packet switching network, and

20 [-] modifying [the] an address of [the] a data packet by assigning said path identifier to the data packet.

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16. (Amended) The method [Method] according to claim 15, [in which] wherein the non-packet switching network comprises a switched public telephony network.

17. (Amended) The method [Method] according to claim 15, [in which] wherein the non-packet switching network comprises an ISDN (Integrated Services Digital Network) [network].

18. (Amended) The method [Method] according to claim 15, [in which] wherein the ATM cell is transmitted in X.25 packets.

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